# LAND APPLICATION SITE KYLE A. DUFFER DWKAD 1-2

**DINWIDDIE COUNTY** 

## VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D. MUNICIPAL FEEL LIENT AND BIOSOLIDS

FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS									
	ICATION AGREEMENT -								
A. This land application agreement is made on 3-15-19 between Kyle Duffer referred to here as "Landowner", and Recyc Systems, Inc. referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.									
agricultural, silvicultural or re	The Landowner is the owner of record of the real property located in agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) with county documentation identifying owners, attached as Exhibit A.								
Table 1.: Parcels aut	horized to receive biosolids, w	vater treatment residua	ls or other industrial sludges						
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID						
52-5C									
☐ Additional parcels containing	Land Application Sites are identified	I on Supplement A (check if	applicable)						
	ndowner is the sole owner of t								
	ndowner is one of multiple ow								
within 38 months of the lates  1. Notify the purchaser than the date of the p	t date of biosolids application, or transferee of the applicable	the Landowner shall: e public access and cro	ch biosolids have been applied op management restrictions no later fer.						
notify the Permittee immediate	tely if conditions change such	that the fields are no I	ied herein. The Landowner will onger available to the Permittee for in contained becomes incorrect.						
The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.									
Class B biosolids   Water to the second of the s	reatment residuals Food □ No 図Ye	I processing waste es □ No	Other industrial sludges  ☑ Yes ☐ No						
Printed name <u>Huk A. Dutter</u> By:  Title*	Mailing Address 15002 Melli Melliance Phone No. 434-5		Landowner Signature						
*□ I certify that I have authority t	o sign for the landowner as indicate		Trustee or Power of attorney, etc.						
*□ I certify that I am a responsible official [or officer] authorized to act on behalf of the following corporation, partnership,									
proprietorship, LLC, municipality,	state or federal agency, etc.								

P. . . . :-- . . .

Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

Printed name		Mailing Address	Permittee-Authorized Representative
	Susan Trumbo	PO Box 562, Remington Virginia 22734	Signature
Title	Technical Manager	Phone No. 540-547-3300	Hull

32	
Permittee: Recyc Systems, Inc.	County or City! Dinwiddie
Landowner: Kyle A. Duffer	
Landowner Site Management Requirements	
I, the Landowner, I have received a DEQ Biosolids Fact Sheet land application of biosolids, the components of biosolids and p	
I have also been expressly advised by the Permittee that the si identified below must be complied with after biosolids have been that I am responsible for the implementation of these practices.	en applied on my property in order to protect public health, and
I agree to implement the following site management practices a of biosolids at the site:	at each site under my ownership following the land application
	the Permittee for the purpose of identifying my field as a Permittee, until at least 30 days after land application at that
following any application of biosolids.  b. Public access to land with a low potential for puany application of biosolids. No biosolids amer this same period of time unless adequate proviaerosols;  c. Turf grown on land where biosolids are applied	sublic exposure shall be restricted for at least one year sublic exposure shall be restricted for at least 30 days following anded soil shall be excavated or removed from the site during sions are made to prevent public exposure to soil, dusts or shall not be harvested for one year after application of either land with a high potential for public exposure or a lawn,
<ul> <li>3. Crop Restrictions:</li> <li>a. Food crops with harvested parts that touch the shall not be harvested for 14 months after the ab.</li> <li>b. Food crops with harvested parts below the surf application of biosolids when the biosolids remainments prior to incorporation into the soil,</li> <li>c. Food crops with harvested parts below the surf biosolids remain on the land surface for a time d. Other food crops and fiber crops shall not be had</li> </ul>	biosolids/soil mixture and are totally above the land surface application of biosolids.  ace of the land shall not be harvested for 20 months after the ain on the land surface for a time period of four (4) or more ace of the land shall not be harvested for 38 months when the period of less than four (4) months prior to incorporation.  arvested for 30 days after the application of biosolids; after the application of biosolids (60 days if fed to lactating
4. Livestock Access Restrictions: Following biosolids application to pasture or hayland a. Meat producing livestock shall not be grazed for b. Lactating dairy animals shall not be grazed for a c. Other animals shall be restricted from grazing for	r 30 days, a minimum of 60 days.
<ol> <li>Supplemental commercial fertilizer or manure application residuals applications such that the total crop needs for management plan developed by a person certified in acc</li> </ol>	nutrients are not exceeded as identified in the nutrient
	mium, should not be grown on the Landowner's land for three esiduals which bear cadmium equal to or exceeding 0.45
12/12//h_	15M1R2019
Landowner's Signature	Date
4524 Whit	e oak Rd.

804 - 896 - 422 l mailing address & phone

Operator's signature

### VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

#### **Landowner Coordination Form**

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Kyle A. Duffer

County or City:

**Dinwiddie County** 

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowner(s)
52-5C	Kyle A. Duffer
*	
	43

# **FARM DATA SHEET**

SITE NAME:	Kyle A. Duffer	COUNTY:	Dinwiddie
OWNER:	Kyle A. Duffer	OPERATOR:	Nick Moody Southside Ag Enterprises
OWNER'S	15002 McKissicks Rd.	OPERATOR'S	4524 White Oak Rd.
ADDRESS:	McKenney, VA 23872	ADDRESS:	Blackstone, VA 23824
OWNER'S TELEPHONE:	434-579-2490	OPERATOR'S TELEPHONE:	804-896-4221
GENERAL FARM TYPE:	Row Crop	CELL PHONE:	804-896-4221
# CATTLE:	None	EMAIL:	Nicha 880 vt. edu
LAGOON or SLURRY:	None	LATITUDE:	37.066
TOPO QUAD:	Darvills	LONGITUDE:	-77.837
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
The old Mark	E. Winters book is	now the new Kyle	A. Duffer book.
I			
72			8B 95 9-8-2020

# RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Environ	nentally S		Soils		Tax	FSA
Identification	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro <b>M</b> ap	Map #	Tract #
DWKAD 1	12.8	844	=:	<b>4</b>	( <b>4</b> )	CU 15	52-5C	T 462 F 1, 2
DWKAD 2	25.3	<b>≪</b> −		:=:		CU 15	52-5C	T 462 F 4, 5, 6
		P						
								9
		10						
TOTAL ACRES IN SITE	38.1							

### THE PLANNER IS NOT STATE CERTIFIED

### Nutrient Management Plan Balance Sheet (Fall, 2020-Winter, 2022) Kyle A. Duffer Planner: John Doe

Tract: 462

Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (lbs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes
1, 2/DWKAD 1(N)	13/13	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		
4, 5, 6/DWKAD 2(N)	25/25	2020	Wheat (grain)	100-60-60	20/0				80-60-60	N/A		

**Commercial Application Methods:** 

br - Broadcast ba - Banded sd - Sidedress

Notes:

### Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
462	DWKAD 1	13	[No Test]		- 11	11.	1.7		
462	DWKAD 2	25	[No Test]						

### Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
462	462/1, 2	DWKAD 1	13	Appling	lVa	11	111	111	
	462/4, 5, 6	DWKAD 2	25	Cecil	IVa	11	III	11	

### Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
	>170	>80	>64	>6	>4.0
1	150-170	70-80	56-64	4-6	3.5-4.0
II	130-150	60-70	48-56	<4	3.0-3.5
V	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

### **Farm Summary Report**

Plan: New Plan Fall, 2020 - Winter, 2022

Farm Name: Kyle A. Duffer
Location: Dinwiddie
Specialist: John Doe
N-based Acres: 38.1
P-based Acres: 0.0

**Tract Name:** 462 FSA Number: 462

Location: Dinwiddie

Field Name: DWKAD 1

Total Acres: 12.80 Usable Acres: 12.80

FSA Number: 1, 2 Tract: 462

Location: Dinwiddie

Slope Class: B Hydrologic Group: B

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

97 2B Appling 3 2C Appling

# Field Warnings:

Field Name: Total Acres: FSA Number:

**DWKAD 2**25.30 Usable Acres: 25.30 4, 5, 6

Tract: Location: Slope Class:

Dinwiddie Hydrologic Group: മ

Ω

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary
N-based
Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

۵. Soil Test Results:
DATE PH
[NO TEST]

 $\checkmark$ 

SOIL SERIES

SYMBOL 4B Cecil 4C Cecil

PERCENT 56 44

Soils:

Lab

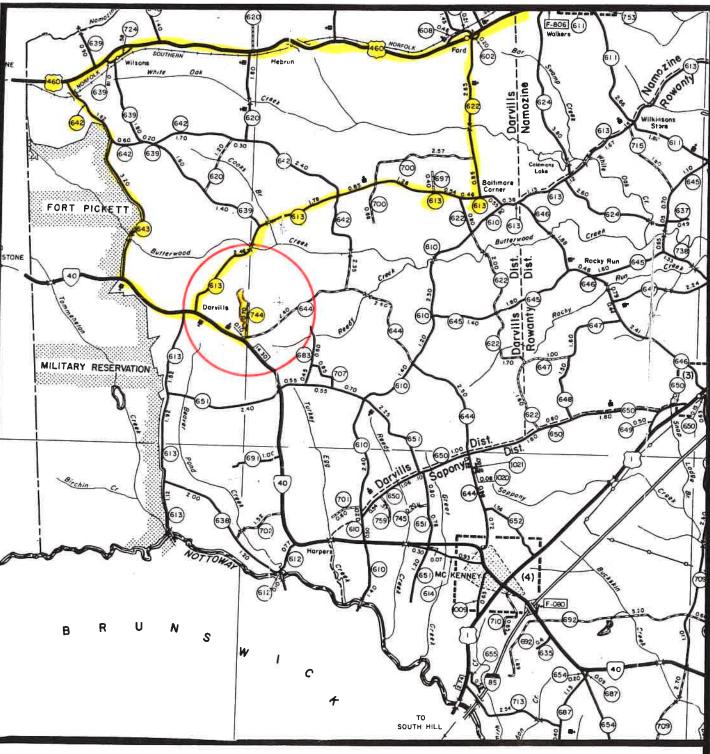
Field Warnings:

# MAPS

# Recyc Systems.

**1C.** (Biosolids Land Application)





Scale: 1 inch = 2 miles

DWKAD 1-2

9-8-2020

Truck

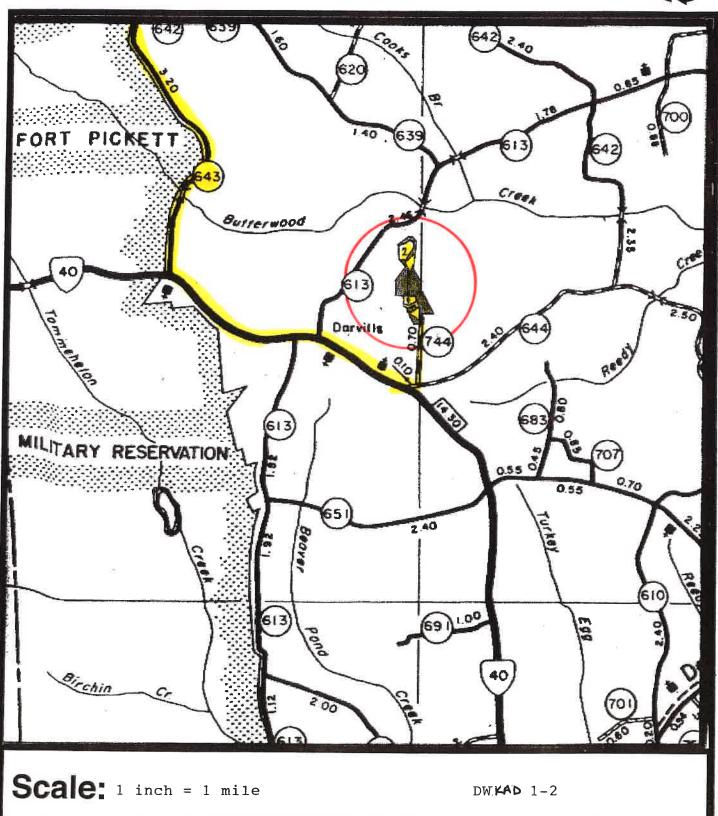
**VICINITY MAP** 

N

# Recyc Systems.

PUBLIC SECUL

(Biosolids Land Application)



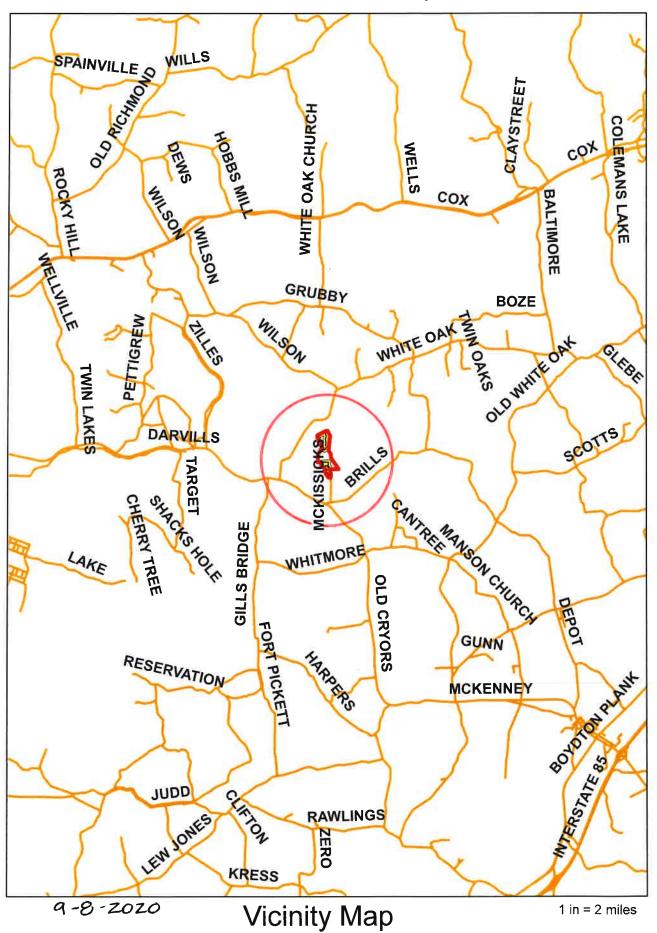
9-8-2020

Truck
Route

**VICINITY MAP** 

N

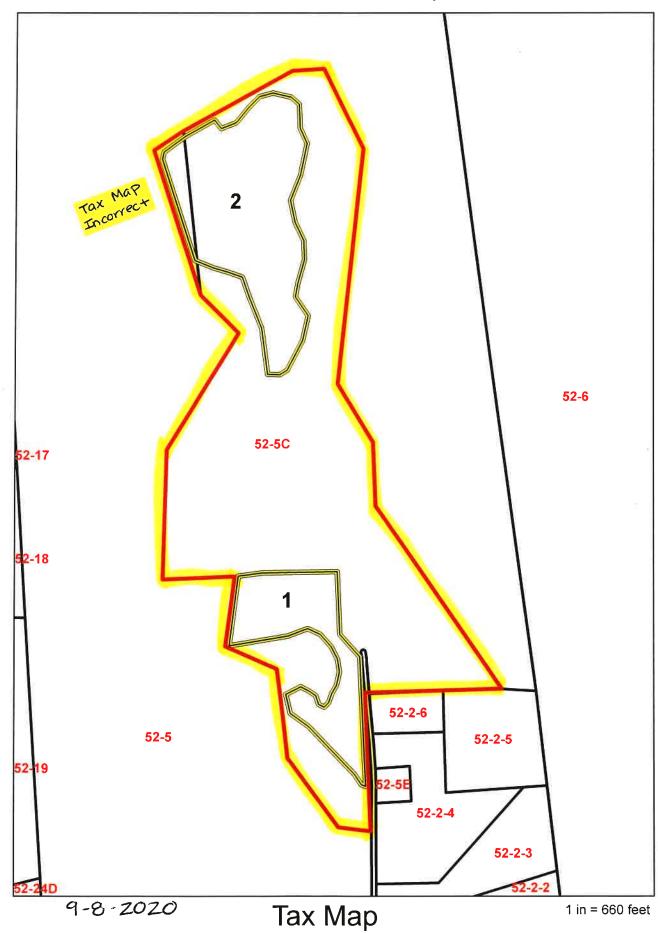












### **Property Identification Card**

**Record Number: 12067** 

#### **DINWIDDIE COUNTY**

Property Information (Map: 52 5C)

Owner:

DUFFER KYLE A

Owner Address: 15002 MCKISSICKS RD

MCKENNEY, VA 23872

Total Land Area: 115.50 Acres

\*Land Use Value\*

\$79,471

**Property Address:** 15002 MCKISSICKS RD

MCKENNEY, VA 23872

Legal Description(s):

MCKISSICK LAND RT. 40

CONSERVATION EASEMENT 23.55AC

52-5C

Zoned:

**A**2

**Prior Assessment:** 

\$246,900

**Magisterial District:** 

**DARVILLS** 

Plat Bk/Pg (Instrument):

7 / 46(20 0001708)

Remarks:

COULD NOT ACCESS BACK YARD; DOG.

Assessment Values (Map: 52 5C)

Building 1:

Land Value: Other Improvements: Total Value: \$53,100 \$209,600

\$3,700 **\$266,400** 

Acreage Description (Map: 52 5C)

Size In Acres:

1.00

Description:

Homesite Lump Sum

Lump Sum or Per Acre: Unit Value:

Adjustment Percentage:

0.00

Utility Value: Acreage Value: 15,000 \$15,000

Size In Acres:

24.90

Description:

Lump Sum or Per Acre:

Per Acre

Unit Value:

Adjustment Percentage:

0.00 3,000

Utility Value: Acreage Value:

3,000 \$74,700

Size In Acres:

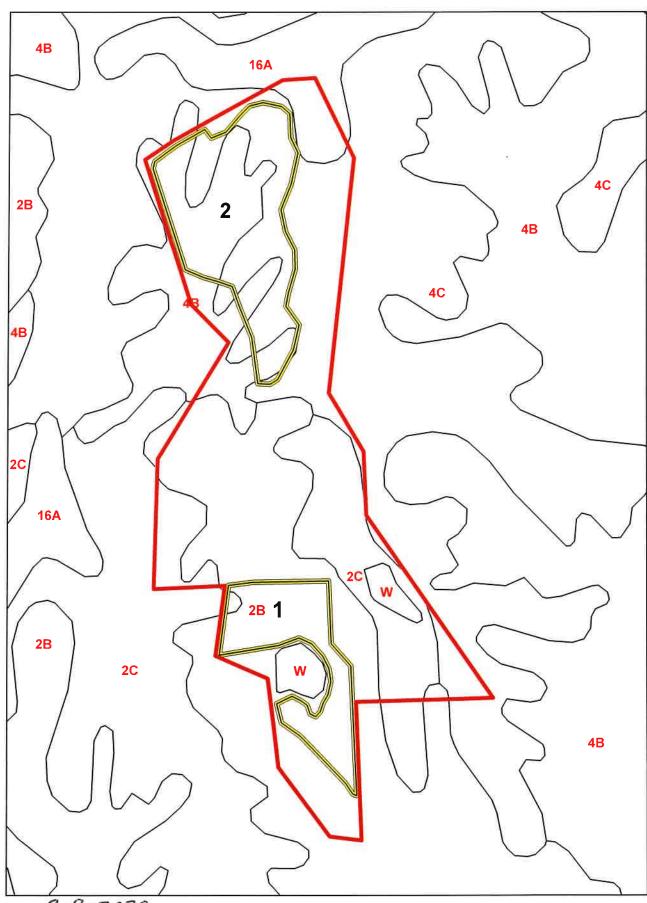
## **ADJOINING LANDOWNERS**

## KYLE A. DUFFER

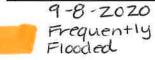
### **DINWIDDIE COUNTY**

Tax Map	Parcel #	Owner Name(s)
52	5	Scott Timberland Co LP
	5E	Jackie R. Hawkes
52-2	4	Jackie R. Hawkes
	5	Barbara Annette Hawkes Cone Estate c/o Aubert Cone
	6	Jackie R. Hawkes









Soil Map

1 in = 660 feet







9-8-ZOZO

Aerial Map

1 in = 660 feet

United States Department of Agriculture

Dinwiddie County, Virginia

Tract 462

Farm 2314

2019 Program Year Map Created June 20, 2019

### **Common Land Unit**

## **Wetland Determination**

**Exempt from Conservation** Compliance Provisions

Non-Cropland NHEL Cropland rcl\_l\_va053 Tract Boundary Identifiers Restricted Use ∨ Limited Tract Cropland Total: 38.05 acres

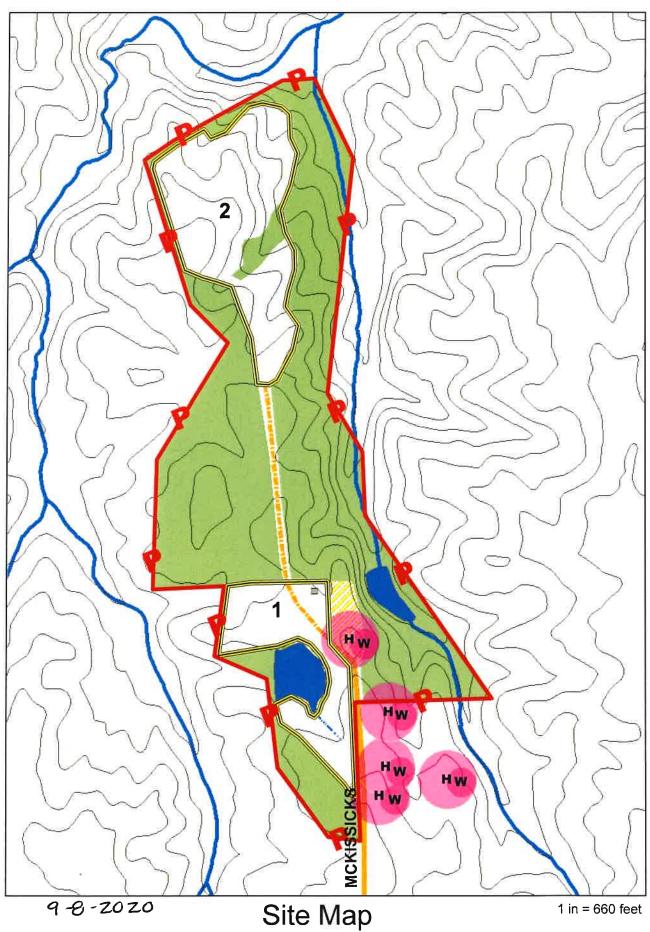
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### **Legend For Site Plan**

Symbol	Feature	Minimum Setback
HW	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
ws	Well or Spring	100 feet from water supply wells or springs
	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
Ш	Wet Spot	35
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
Ξ	Severely Eroded Spot	18 Inch minimum depth of soil
5	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P_ P_	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

<sup>\*</sup>Buffer can be reduced or waived upon written consent from landowner.

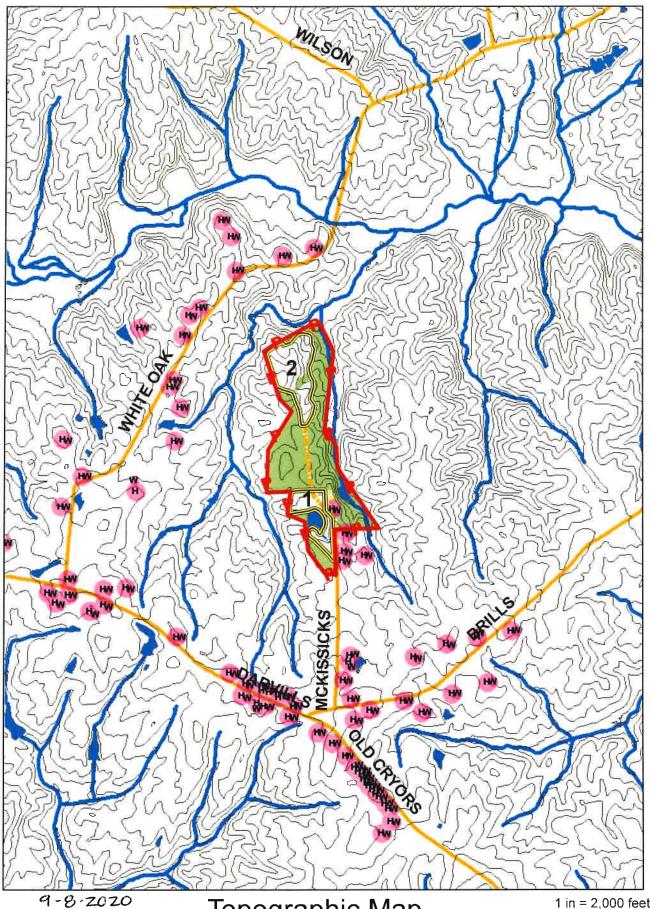














Topographic Map 1 in = 2,000 feet